

Test Report

Report No.: CTT170530254EN

Date: May. 13, 2017

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Applicant: CSP INC

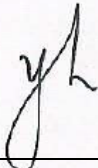
Address: 8248 W. ORANGE DR GLENDALE,AZ 85303 USA

The following merchandise was (were) submitted and identified by Applicant as:

| | | | |
|--------------------------|--------------------------------|--|----|
| Sample Name: | CRAZY FACE KEYCHAIN | | |
| Model No.: | 2-762 | | |
| Buyer: | Kids' Korner | | |
| Packaging Provided: | No | | |
| Labelled Age Group: | / | Tested Age Grading: | 3+ |
| Appropriate Age Grading: | 3+ | Applicant's Specified Testing Age Group: | 3+ |
| Sample Received Date: | May. 09, 2017 | | |
| Test Period: | May. 09, 2017 to May. 13, 2017 | | |

Test Result(s): Please refer to next page(s).

Signed for and on Behalf of CTT



Yuhu / Lab supervisor

Consumer Testing Technology Co., Ltd.

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Test Requested and Conclusion(s):

| No. | Test Sample | Standard and Requirement | Conclusion(s) |
|-----|---------------------------------------|---|---------------|
| 1 | Tested materials of submitted samples | US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in accessible substrate materials | PASS |
| 2 | Tested materials of submitted samples | US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Total Lead (Pb) in paint or surface coating | PASS |
| 3 | Tested materials of submitted samples | US Public Law 110-314 [Consumer Product Safety Improvement Act of 2008(CPSIA)] - Phthalates | PASS |
| 4 | Tested materials of submitted samples | ASTM F963-16 Section 4.3.5.2 - Soluble Heavy Metals content in substrate material | PASS |
| 5 | Submitted sample | ASTM F963-16 - Physical and Mechanical Properties (Excluding Section 5.16, 6.1,7.1) | PASS |
| 6 | Submitted sample | ASTM F963-16 - Flammability | PASS |

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Test Result(s):

The Lead content of accessible substrate materials - CPSIA

Method:

Metal - CPSC-CH-E1001-08.3

Nonmetal - CPSC-CH-E1002-08.3

Analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

| Material No. | Limit (mg/kg) | Result (mg/kg) | Conclusion |
|-----------------|---------------|----------------|------------|
| 1 | 100 | N.D. | PASS |
| 3 ^{R1} | 100 | N.D. | PASS |

The Lead content of paint or surface coating - CPSIA

Method: CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectroscopy (AAS) or Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

| Material No. | Limit (mg/kg) | Result (mg/kg) | Conclusion |
|-----------------|---------------|----------------|------------|
| 4 ^{R2} | 90 | N.D. | PASS |
| 5 ^{R3} | 90 | N.D. | PASS |
| 6 ^{R4} | 90 | 13 | PASS |
| 7 ^{R5} | 90 | 12 | PASS |

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL (Reporting Limit) = 10 mg/kg.
 4. "R1" = This test result(s) refers to CTT170530248EN-3.
 5. "R2" = This test result(s) refers to CTT170530248EN-4.
 6. "R3" = This test result(s) refers to CTT170530248EN-5.
 7. "R4" = This test result(s) refers to CTT170530248EN-6.
 8. "R5" = This test result(s) refers to CTT170530248EN-7.

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Test Result(s):

Phthalates - CPSIA

Method: CPSC-CH-C1001-09.3, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

| Substances | DBP | BBP | DEHP | DINP | DNOP | DIDP | Conclusion |
|---------------|----------------|---------|----------|------------|----------|------------|------------|
| CAS No. | 84-74-2 | 85-68-7 | 117-81-7 | 28553-12-0 | 117-84-0 | 26761-40-0 | |
| Limit (mg/kg) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| RL (mg/kg) | 30 | 30 | 30 | 50 | 30 | 50 | |
| Material No. | Result (mg/kg) | | | | | | |
| 1 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | PASS |

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.
 4. Children's toys and child care articles shall not more than 1000 mg/kg DBP, BBP or DEHP.
 - Children's toys defined as 12 years and under.
 - Child care articles to facilitate sleep or feeding of children 3 years and under, or to help children with sucking and teething.
 5. Children's toy that can be placed in the mouth and child care articles shall not more than 1000 mg/kg DINP, DNOP or DIDP.
 - Toys that can be kept in the mouth by a child so that it can be sucked or chewed.
 - Toys or part of toy with one dimension less than 5 cm.

Soluble Heavy Metals content in substrate material - ASTM F963-16 Section 4.3.5.2 ⁿ

Method: ASTM F963-16 Section 8.3.2 to Section 8.3.5, analyzed by Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

| Elements | As | Ba | Cd | Cr | Hg | Pb | Sb | Se | Conclusion |
|---------------|----------------|------|------|------|------|------|------|------|------------|
| Limit (mg/kg) | 25 | 1000 | 75 | 60 | 60 | 90 | 60 | 500 | |
| RL (mg/kg) | 2.5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |
| Material No. | Result (mg/kg) | | | | | | | | |
| 2 | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | N.D. | PASS |

- Note:**
1. mg/kg = milligram per kilogram (ppm).
 2. N.D. = Not Detected (< RL).
 3. RL = Reporting Limit.

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Test Material List:

The following materials apply only to the samples submitted for chemical testing

| Material No. | Description | Location | Remark |
|--------------|------------------------|----------------|--------|
| 1 | Yellow plastic | Buckle | -- |
| 2 | Yellow synthetic fiber | Toy body | -- |
| 3 | White foam | Inside of toy | -- |
| 4 | Red paint | Coating of toy | -- |
| 5 | Blue paint | Coating of toy | -- |
| 6 | White paint | Coating of toy | -- |
| 7 | Black paint | Coating of toy | -- |

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Test Result(s):

Mechanical and Physical Properties - ASTM F963-16^s

| Section | Testing Items | Assessment |
|---------|---|--------------|
| | | Toy/toy body |
| 4 | Safety requirements | PASS |
| 4.1 | Material quality | PASS |
| 4.3.7 | Stuffing materials | NA |
| 4.4 | Electrical/thermal energy | NA |
| 4.5 | Sound producing toys | NA |
| 4.6 | Small objects | NA |
| 4.6.1 | Toys intended for children under 36 months of age | NA |
| 4.6.2 | Mouth actuated toys | NA |
| 4.7 | Accessible edges | PASS |
| 4.8 | Projections | NA |
| 4.9 | Accessible points | PASS |
| 4.10 | Wires or rods | NA |
| 4.11 | Nails and fasteners | NA |
| 4.12 | Plastic film | NA |
| 4.13 | Folding mechanisms and hinges | NA |
| 4.14 | Cords and elastics in toys | NA |
| 4.15 | Stability and over-load requirements | NA |
| 4.16 | Confined spaces | NA |
| 4.17 | Wheels, tires, and axles | NA |
| 4.18 | Holes, clearance, and accessibility of mechanisms | NA |
| 4.19 | Simulated protective devices | NA |
| 4.20 | Pacifiers | NA |
| 4.21 | Projectile toys | NA |
| 4.22 | Teethers and teething toys | NA |
| 4.23 | Rattles | NA |
| 4.24 | Squeeze toys | NA |
| 4.25 | Battery-operated toys | NA |
| 4.26 | Toys intended to be attached to a crib or playpen | NA |
| 4.27 | Stuffed and beanbag-type toys | PASS |

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| | | |
|--------|---|-----|
| 4.28 | Stroller and carriage toys | NA |
| 4.29 | Art materials | NA |
| 4.30 | Toy gun marking | NA |
| 4.32 | Certain toys with nearly spherical ends | NA |
| 4.34 | Balls | NA |
| 4.34.1 | Toy intended for children under 36 months of age | NA |
| 4.35 | Pompoms | NA |
| 4.36 | Hemispheric-shaped objects | NA |
| 4.37 | Yo Yo Elastic Tether Toys | NA |
| 4.38 | Magnets | NA |
| 4.39 | Jaw Entrapment in Handles and Steering Wheels | NA |
| 4.40 | Expanding materials | NA |
| 4.41 | Toy chests | NA |
| 5 | Labeling Requirement | NR* |
| 5.4 | Aquatic toys | NA |
| 5.5 | Crib and playpen toys | NA |
| 5.6 | Mobiles | NA |
| 5.7 | Stroller and carriage toys | NA |
| 5.8 | Toys intended to be assembled by an adult | NA |
| 5.9 | Simulated protective devices | NA |
| 5.10 | Toys with functional sharp edges or points | NA |
| 5.11 | Small objects, small balls, marbles, and balloons | NA |
| 5.12 | Toy caps | NA |
| 5.13 | Art materials | NA |
| 5.14 | Electric toys | NA |
| 5.15 | Battery operated toys | NA |
| 5.16 | Promotional materials | NR* |
| 5.17 | Magnets | NA |
| 6 | Instructional Literature | NR* |
| 6.1 | Definition and description | NR* |
| 6.2 | Crib and playpen toys | NA |
| 6.3 | Mobiles | NA |
| 6.4 | Toys intended to be assembled by an adult | NA |

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| | | |
|-----|--|-----|
| 6.5 | Battery operated toys | NA |
| 6.6 | Battery powered ride-on toys | NA |
| 6.7 | Toys in contact with food | NA |
| 6.8 | Toy chests | NA |
| 7 | Producer's Marking | |
| 7.1 | Name of the producer or the distributor | NR* |
| | Address of the producer or the distributor | NR* |
| 7.2 | Battery powered ride on toys | NA |
| 7.3 | Toy chests | NA |

- Note:**
1. NA = Not Applicable
 2. NR =Not Requested
 3. "***" = Per client's requirement, the packaging was not evaluated.
 4. The name and address of the producer or the distributor shall be marked on the toy or the package.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations: ^s

| Testing Items | FHSA | Parameter |
|---------------|--------------------|---------------|
| | Toy/toy body | |
| Drop Test | Section 1500.53(b) | 4x3.0 ft |
| Torque Test | Section 1500.53(e) | 4.0 inch ·lbf |
| Tension Test | Section 1500.53(f) | 15 lbf |

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Test Result(s):

Flammability - ASTM F963-16 Annex A5^s

| Sample Description | Ignition Location | Burn Length (inch) | Burn Time (sec.) | Burn Rate (inch/sec.) | Limit (inch/sec.) | Conclusion |
|--------------------|-------------------|--------------------|------------------|-----------------------|-------------------|------------|
| Toy/toy body | Edge | 3.4 | 60 | 0.06 | 0.15 | PASS |

Note: 1. All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

Remark:

CTT Co., Ltd. is the US Consumer Product Safety Commission (CPSC) Accredited Third Party Testing Laboratory, identification number is 1362, and shall refer to <http://www.cpsc.gov/cgi-bin/labsearch/>.

Photo of Sample:



End of Report

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